## \*109612\*

Page 1

November-21-13 2:43:55 PM

Revision ID:	D3650-3 Center Panel		/	Accept	*N900	<b>1</b> 040	100	)*	Setup	Start Stop	*N: *N:	S1* S2*	
Start Date: Required Date: Reference:	11/21/13 11/21/13	Start Qty: 1.00 Req'd Qty: 1.00	*1* *1*	1	Cust Item Customer								,
Approvals:	Process Pla	in: MLJ)	Date:	ZZ Tooling: SPC (Y/N):		Date:	- 		Run	Start Stop	17	R1* R2*	
Sequence ID/ Work Center II	)	Operation Description		Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accep Qty	t Rej		Reject Number	Insp. Stamp	-
Draw Nbr	Rev	ision Nbr											
D3650	Rev	'E											
100 *100* Waterjet		FLOW WATER JET  Memo		0.00						0		Jm 14-1	-5
FLOW CNC Waterje	et	1-Cut as p Dwg Rev: Prog Rev:		12 T									
		2-Deburr	f necessary								1		
110		QC2- Inspect parts off	machine FAI/FAIB	0.00									
*110* QC Quality Control		Memo		0.00						C		Jm14-1	- 4

•											DQA:	Date:	
NCR: Y	Yes /	No				<b>WORK ORDER NON-</b>	COI	NFOR	MANCE / UP	DATE			
<del></del>		-									QA Closed:	Date:	
Work Orde	er:					DISPOSITION	:			AGAINST DE	PARTMENT	/PROCESS	
Part N	<del></del>					Rework Scrap		1	Skid-tube Machining	Crosstube Small Fab	-1	Water Jet d. Eng. Coor.	Engineering Quality
NCR I	No					Use-as-is Work Order Update	_	•	noforming Large Fab	Finishing Composite	Rec/Sto	re/Packaging Supplier	Other
Root					Descr	ription of work order update		Initial	Ac	tion	Sign &		
Cause		Date	Step	Qty		or Non-conformance	Ch	nief Eng	Desc	ription	Date	Verification	QC Inspector
Doc/Data	Ш												
Equip/Tooling	Н				Ì		1						1
Operator													1
Material	$\vdash$				]						i		
Setup	H						İ						-
Other	H						-						İ
Process	H												; 
Supplier	Н			1									
Training	H												
Unapproved				L	<u> </u>	·		T CATE	CORV		L		
l and:	na Gar					General	AUL	I CAIE	GURT				
Landi	ing Gea				Г	Bend		Grain			Ovalizad		Drice - 15 and
1	I lae	ending				penu	1	Jorani		-	Ovalized	1 1	Pressure/Forced

Inspection Strip in Tube Cut Too Short Misread Power Loss/Surge Other Drill Holes Ripples in Bend Offset Torque Waves in Extrusion Drawing Out of Calibration Out of Sequence Turning Sequence Finish Wave/Twist in Tube Folio Outside Dimensions

Hardware

Maintenance

Mislabeled

Inspection Incomplete

Instructions Incomplete/Unclear

Over/Under tolerance

Part Incorrect

Part Moved

Part Lost/Missing

Positioned Wrong

Temperature/Cure

Wrong Stock Pulled

Weld

Cracks

Cuffs

Heat Treat

Crushed/Crimped

Centre Not Concentric to O/S

BOM/Route

Contamination

Countersink

Burrs

Broken/Damaged

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

Work Orde November-21-13					*109	9612*					Page 2	2
Item ID: Revision ID:	D3650-3			Ac	ccept	*N900	04010	<b>n</b> *	Setup Start Stop	171.	S1*	
Item Name: Start Date: Required Date:	Center Panel 11/21/13 11/21/13	Start Qty: 1.00 Req'd Qty: 1.00		*1* *1*		Cust Item II Customer:	<b>)</b> :		жор	^N:	S2*	
Approvals:		n:			Tooling: SPC (Y/N):		te:		Run Star Stop		R1* R2*	
Sequence ID/ Work Center II 120 *170* QC Quality Control	D	Operation Description QC8- Inspect parts - sec	ond check		Set Up/ Run HoursS 0.00 27 9-89	Tool ID	Tool # Plan Code		Reject Qty	Reject Number	Insp. Stamp	-
130 *130* Brake NC Brake NC		NC BRAKE  Memo 1-Form as p 2-bend as p	_	50 using DT9426	0.00		DAS 30 9-89					idiole
140 * <b>110</b> *		QC5- Inspect part comp	eleteness to s	tep on W/O	0.00			$\bigcirc$			DAS 300 //	J 12 15

0.00

Memo

Quality Control

											DQA	A: Dat	te:	
NCR:	Yes	/ No				WORK ORDER NON-C	100	<b>NFORN</b>	/ANCE / UP	DATE				
											QA Closed	d: Dat	te:	
Work Orde	er.					DISPOSITION				AGAINST DE	PARTMEN	T/PROCESS		
Part N	- . No.					Rework Scrap Use-as-is Work Order Update		Therm	Skid-tube  Machining noforming  Large Fab	Crosstube Small Fab Finishing Composite	₹	Water Jet od. Eng. Coor. ore/Packaging Supplier		Engineering Quality Other
Root					Descri	otion of work order update		Initial	Act	tion	Sign &			
Cause		Date	Step	Qty	C	or Non-conformance	Ch	ief Eng	Desc	ription	Date	Verification	n	QC Inspector
Doc/Data Equip/Tooling Operator Material Setup Other Process Supplier Training Unapproved														·
			<del> </del>	·			AUL	T CATE	GORY					
Landi		Bending Centre No Cracks Crushed/ Cuffs Heat Trea	Crimped at	·	o/s	General Bend BOM/Route Broken/Damaged Burrs Contamination Countersink Cut Too Short		-{ `	on Incomplete ions Incomplete/ nance led	Unclear	Ovalized Over/Under Part Incorr Part Lost/I Part Move Positioned Power Los	Missing d Wrong		Pressure/Forced Temperature/Cure Weld Wrong Stock Pulled Other
		Ripples in	n Bend			Drill Holes		Offset			-	•		

Out of Calibration

Out of Sequence

Outside Dimensions

Turning Sequence

Wave/Twist in Tube

Torque Waves in Extrusion

Drawing

Finish Folio

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

Work Ordo				*109	9612*						Page 3
Item ID: Revision ID:	D3650-3			Accept	*N900	040	100	)*	Setup S	tart Stop	*NS1*
Item Name: Start Date:	Center Panel 11/21/13	Start Qty: 1.00	*1*		Cust Item I	D:				мор	*NS2*
Required Date: Reference:	11/21/13	Req'd Qty: 1.00	*1*		Customer:						
Approvals:		n:	Date:	_		ite:				Start Stop	*NR1*
Sequence ID/ Work Center I		Operation Description Identify as per dwg & Stoc	Date:	SPC (Y/N):  Set Up/ Run Hours  0.00	Tool ID	Tool#	Plan Code	Accept Qty	Rejec Qty		*NR2* Reject Insp. Number Stamp OCT 1 5 2016
*100* Packaging Packaging		Memo	Lectronic Division in the second seco	0.00					FF		
200		QC21- Final Inspection - V	Vork Order Release	0.00						IJ	Holic A
*200*		Memo		0.00							1 10 (

Quality Control

												DQA:	Dat	e:	
NCR: Y	es /	No				<b>WORK ORDER NON-</b>	100	<b>NFORM</b>	MANCE / UP	PDATE				-	
									•			QA Closed:	Dat	:e:	
Work Orde	r.		•			DISPOSITION				AGAINST	DE	PARTMENT	/PROCESS		
Work Orde	·· —					Rework	1		Skid-tube	Crosstube	Г	1	Water Jet	$\neg$	Engineering
Part N	lo.					Scrap	1 1		Machining	Small Fab	⊢	Pro	d. Eng. Coor.	ㅓ	Quality
ĺ						Use-as-is	1		noforming	Finishing	_	4	e/Packaging	$\neg$	Other
NCR N	۱o					Work Order Update	]	:	Large Fab	Composite			Supplier		
					· · · · · · · · · · · · · · · · · · ·			L							
Root						ption of work order update		Initial		ction		Sign &	l -	i	
Cause	D	ate	Step	Qty		or Non-conformance	Ch	ief Eng	Desc	cription		Date	Verification	1	QC Inspector
Doc/Data		•			·										
Equip/Tooling														- 1	
Operator															
Material.	7														
Setup														ı	
Other															
Process		ŀ			ļ										
Supplier															
Training															
Unapproved				<u></u>											
						F	AUI	T CATE	GORY				·		
Landi	ng Gear					General						_	_		
	Ben	ding				Bend		Grain				Ovalized			Pressure/Forced
	Cen	tre Not	Concer	ntric to	o/s	BOM/Route		Hardwa	re			Over/Under	tolerance [		Temperature/Cure
	Cra	cks				Broken/Damaged		Inspecti	ion Incomplete			Part Incorre	ct		Weld
	Cru	shed/Cr	rimped	ı		Burrs		Instruct	ions Incomplete	/Unclear		Part Lost/Mi	ssing		Wrong Stock Pulled
	Cuf	fs				Contamination		Mainte	enance			Part Moved	•		•

Mislabeled

Out of Calibration

Out of Sequence

Outside Dimensions

Misread

Offset

Positioned Wrong

Power Loss/Surge

Other

Countersink

Cut Too Short

Drill Holes

Drawing

Finish

Folio

Turning Sequence

Wave/Twist in Tube

Ripples in Bend

Heat Treat

Inspection Strip in Tube

Torque Waves in Extrusion

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## **Picklist Print**

November-21-13 2:43:55 PM

Work Order ID:

109612

Parent Item:

Comments:

D3650-3

Parent Item Name:

Center Panel

IPP Rev:A New Issue 07-09-27 DD verified by: EC IPP Rev:B ECN 1113P 08-01-22

DD

09 JLM VERIFIED BY:DD 08-04-02

IPP Rev:C ecn1162

DD verified by: EC

**Start Date:** 11/21/13

Required Date: 11/21/13

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
M304S20GA		Purchased	No				sf	459.9000		(2)			<b>-</b>
304/316 .040 Sheet									F2				Jm14-1
				<b>Location</b>		Loc Qty	<u>Lo</u>	c Code					
				MAT020		459.90001							
				m125	754	24.17001				****			
	·			m126	852	115.73			<del> ∂</del> ¢	5			
				m127	454	320			127	454			

IPP REV:C AS PER REV E 12-10-

Page 1

												DQA:	Dat	e	
NCR: Y	es/	/ No				WORK ORDER NON-C	100	NFORM	MANCE / UPI	DATE		QA Closed:	Dat	. م.	
Work Orde	or.					DISPOSITION				AGAIN	ST DE	PARTMENT			
Part N	- . No.					Rework Scrap Use-as-is Work Order Update		f Therm	Skid-tube  Machining noforming  Large Fab	Crosstul Small Fa Finishii Composi	ab	· Pro	Water Jet d. Eng. Coor. re/Packaging Supplier		Engineering Quality Other
Root					Descri	ption of work order update	1	nitial	Act	tion		Sign &			
Cause		Date	Step	Qty	(	or Non-conformance	Ch	ief Eng	Desci	ription		Date	Verification	1	QC Inspector
Doc/Data															
Equip/Tooling													-		
Operator					i e										
Material															
Setup						÷									
Other					İ										
Process					ļ			İ							
Supplier															
Training											,			١	
Unapproved											:				<u> </u>
						F	AUL	T CATE	GORY						
Landi	ng G	ear				General	_	•			_	-	-		
		Bending				Bend		Grain				Ovalized		_	Pressure/Forced
		Centre No	ot Concer	ntric to	o/s	BOM/Route		Hardwa	re			Over/Under	tolerance		Temperature/Cure
		Cracks				Broken/Damaged		Inspecti	on incomplete		L	Part Incorred	ct		Weld
		Crushed/	Crimped			Burrs		Instruct	ions Incomplete/I	Unclear		Part Lost/Mi	ssing		Wrong Stock Pulled
		Cuffs				Contamination		Mainte	nance			Part Moved	_	_	
		Heat Trea	it			Countersink		Mislabe	led			Positioned V	Vrong		
		Inspection	n Strip in	Tube		Cut Too Short		Misread	1			Power Loss/	Surge		Other
		Ripples in	Bend			Drill Holes		Offset							

Out of Calibration

Out of Sequence

Outside Dimensions

Turning Sequence

Wave/Twist in Tube

Torque Waves in Extrusion

Drawing

Finish

Folio

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

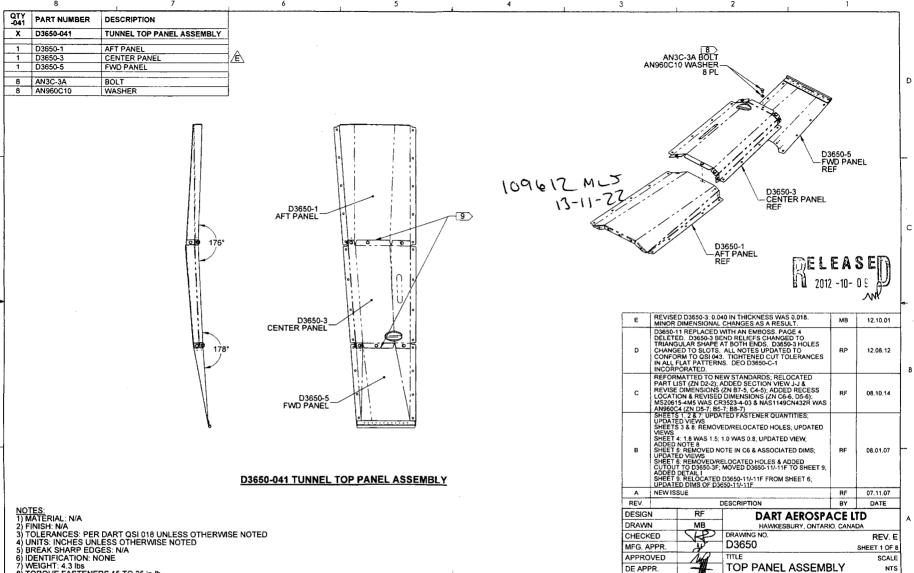
DART AEROSPACE LTD	Work Order:	109612
Description: Center Panel	Part Number:	D3650-3
Inspection Dwg: D3650 Rev: E		Page 1 of 1

## FIRST ARTICLE INSPECTION CHECKLIST

Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
0.276	+/-0.010	0.283"			U	Themos
0.213	+/-0.010	0.218"	_		ν'	·
0.400	+/-0.010	0.404	_		>	
0.85	+/-0.030	0.85	-		V	
12.900	+/-0.010	12.900	-		丁	
4.300	+/-0.010	4.302			V	
13.750	+/-0.010	(3.750			<u> </u>	
15.46	+/-0.030	15.46			*	
1.947	+/-0.010	1.947"			٧	
5.894	+/-0.010	5.8942			V	
8.267	+/-0.010	8.263	-		V	
9.187	+/-0.010	9.183"	-		V	
15.53	+/-0.030	15.53"	_		7	Jemole
13.80	+/-0.030	(3.80			+	
2.286	+/-0.010	2.256.			V	
7.190	+/-0.010	7.190"			v	
9.570	+/-0.010	9.570	_		V	
10.650	+/-0.010	10.650			T	
12.097	+/-0.010	12.057			T	
10.509	+/-0.010	10.5094			て	
0.040	+/-0.010	0.039			<b>V</b>	

				DAG		
N	Measured by:	.Tm	Audited by:	27  a.ed	Preliminary Approval:	
$\vdash$	Date:	14-1-5	Date:	14/17	Date:	

Date	Change	Revised by	Approved
08.04.17	New Issue	KJ/DD	
12.03.08	Dwg Rev updated	KJ	
12.09.26	Dimensions updated per Dwg Rev D	KJ: I	4.9
12.10.26	Dimensions updated per Dwg Rev E	KJ 💖	IN
	08.04.17 12.03.08 12.09.26	08.04.17 New Issue 12.03.08 Dwg Rev updated 12.09.26 Dimensions updated per Dwg Rev D	08.04.17 New Issue KJ/DD 12.03.08 Dwg Rev updated KJ 12.09.26 Dimensions updated per Dwg Rev D KJ



9) SEAL ALL MATING SURFACES AND ALL GAPS USING PROSEAL 700 FIRE WALL SEALANT

DATE

12.10.01

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